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Total # of Pages : 4 (including this page)

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Examiner Shin-Lin Chen United States Patent and Trademark Office	571-272-0726	571-273-0726

From : Suet Chong

Date : December 8, 2004

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Cover Page 1 of 1

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PAGE 1/4 * RCVD AT 12/8/2004 4:44:44 PM [Eastern Standard Time] * SVR:USPTO-EFAXRF-1/26 * DNIS:2730726 * CSID: * DURATION (mm:ss):01-10

FOLEY & LARDNER

76333/108

June 7, 1995

The "Received" stamp of the U.S. Patent & Trademark Office hereon acknowledges receipt of the accompanying Patent Application of Joel S. GREENBERG

for PROTECTION FROM IONIZING IRRADIATION OR CHEMOTHERAPEUTIC DRUG
DAMAGE BY IN VIVO GENE THERAPY

Including: **FILED UNDER 37 CFR 1.53(b)

42 pages of spec.; 31 claims; 7 shts. dwgs.; ** Declaration; 0 Oath; 0 Assignment

0 Claim for Convention Priority & Priority Doc.; and Check for 0

Other:

Due: June 7, 1995

08/484836

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Assistant Commissioner for Patents
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APPLICATION UNDER 37 C.F.R. 1.53(b)

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(S): Joel S. GREENBERGER

**TITLE: PROTECTION FROM IONIZING IRRADIATION OR CHEMOTHERAPEUTIC DRUG
 DAMAGE BY *IN VIVO* GENE THERAPY**

In connection with this application, the following are enclosed:

- 42 Pages of Specification with Abstract
- 31 Claims
- 7 Sheets of Drawings
- XX Declaration, Power of Attorney to be filed under provisions of 37
 C.F.R. 1.53(d)
- Information Disclosure Statement/PTO-1449/
- Certified Priority Application and Priority Claim
- Statement of Small Entity Status
- Other:

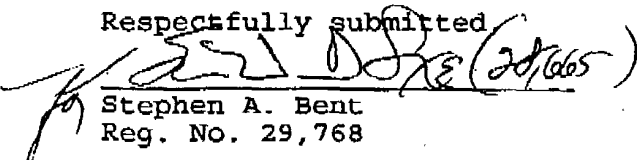
The fee has been calculated as shown below. (Small entity fees
 indicated in parentheses.)

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$730 (\$365)
Total Claims	31 - 20 =	11	x \$22 (x \$11)	242.00
Independent Claims	2 - 3 =	0	x \$76 (x \$38)	0.00
Multiple Dependent Claims			\$240 (\$120)	0.00
Surcharge Under 37 C.F.R. 1.16(e)			\$130 (\$65)	130.00
TOTAL FEE:				\$1,102.00

Kindly advise the undersigned of the period of time within which to file
 the oath or declaration of the inventors and TOTAL FEE.

Respectfully submitted

Date: June 7, 1995
 Docket No.: 76333/108


 Stephen A. Bent
 Reg. No. 29,768

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Abstract of the Disclosure

5 A method of protecting a subject against an agent that
elicits production of toxic free radicals, superoxide anions, or
heavy metal cations in the subject is disclosed which entails *in*
vivo administration to the subject of a polynucleotide encoding
a protein that is transiently expressed in said subject. The
transiently expressed protein is capable of neutralizing or
eliminating the toxic free radicals, superoxide anions or heavy
10 metal cations that are elicited by the agent. The method is
particularly useful in protecting cancer patients against the
damaging effects of ionizing radiation and chemotherapeutic
drugs. A composition useful in carrying out the method also is
disclosed.